## Complete system setup and configuration | Stage 4

### Stage 1: Prepare for installation

#### Pre-setup

1. Go to mysupport.netapp.com and create an account, register your system, and get your license keys.
2. Unpack all boxes and inventory contents.
3. If you are not already in the AFF and FAS System Documentation Center go to https://docs.netapp.com/platstor/index.jsp; click AFF A300 systems; click Installation and Setup:
   - Download and complete the Cluster Configuration Worksheet.
   - Watch the Software configuration for vSphere NAS datastores for FAS/AFF systems running ONTAP 9.2 video (or later version if available).

#### In the box

<table>
<thead>
<tr>
<th>Controller-to-controller cables</th>
<th>Data cables</th>
<th>Storage cables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cluster interconnect cable</td>
<td>Ethernet cables</td>
<td>SAS cables</td>
</tr>
<tr>
<td>Full number: 112-00297 or 112-00299</td>
<td>10 Gigabit Ethernet cable Full number: 112-00300 or 112-00300 or 112-00300</td>
<td>Part number: 112-00440 or 112-00441 or 112-00442</td>
</tr>
<tr>
<td>Power cables</td>
<td>Optical network cable Part number: 112-00440 or 112-00441 or 112-00442</td>
<td>SSD cables Part number: 112-00400 or 112-00401 or 112-00402</td>
</tr>
<tr>
<td>Part number: 112-00188 or 112-00189 or 112-00090</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### You provide

- Rack space: 3U per chassis
- Screwdriver
- Additional network cables: For connecting your storage to your network switch and Microsoft® Windows® client
- Windows client: Runs the software to configure your storage system

### Stage 2: Install hardware

- Cable and configure your client
- Turn on the power switches to both nodes
- Configure your system using the Application Setup Wizard

#### 1. Cable and configure your client

- Connect the console cable to the client and the console port on the controller module.
- Connect the client to the switch on the management subnet.
- Set the console port on the client to 115,200 baud with N-8-1.

#### 2. Turn on the power switches to both nodes

- Turn on the power switches to both nodes.

#### 3. Configure your system using the Application Setup Wizard

- **IF:** You have a SAN or NAS optimized system, log into System Manager, as described on the back of your system, and then complete the storage provisioning wizards found under Applications in System Manager.
- **IF:** You have a non-optimized SAN or NAS system, complete the following steps:
  1. Assign an initial node management IP address to one of the nodes:
     - Assign an initial node management IP address to one of the nodes.
     - **IF:** you have DHCP configured on your management network, record the IP address assigned to the new controllers.
     - **IF:** you do not have DHCP, use Cluster Setup wizard:
       - Open a console session using PuTTY, a terminal server, or the equivalent for your environment.
       - Enter the management IP address when prompted by the script.
  2. Use System Manager Guided Setup to configure your cluster:
     - Point your browser to the node management IP address (from step 1). The format is: https://x.x.x.x.
     - Configure the system using data from the “Cluster configuration worksheet”

### Stage 3: Cable storage

- Complete system setup and configuration
1. Install system in a rack or cabinet
   - Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
   - Attach cable management devices (as shown).
   - Place the bezel on the front of the system.

2. Cable controller for switchless ONTAP
   See your network administrator for help connecting to your switch.
   - 1. Cable the cluster interconnect e0a to e0a and e0b to e0b ports on both controllers.
   - 2. Connect wrench ports to the management switches (for cluster and node mgmt. LIFs).
   - 3. Connect the shelf-to-shelf ports
   - 4. Connect the controllers to the first stack of disk shelves
   - 5. Connect the controllers to the second stack of disk shelves
   - 6. Strap the cables to the cable management arms (not shown).

3. To data network switches

4. To management network switches

! DO NOT power on system at this point.

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Multi-path HA cabling an AFF A300
WITH two external double-shelf stacks
(DS212C or DS224C disk shelves)

1. Connect the shelf-to-shelf ports
2. Connect the controllers to the first stack of disk shelves
3. Connect the controllers to the second stack of disk shelves

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Optional 2-post mid-mount brackets

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Cable storage | Stage 3

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Install hardware | Stage 2

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Storage cables
(PN 112-00302 or 112-00306)
Install system in a rack or cabinet

1. Install the rail or telco tray kits, as needed, and then install and secure your system using the instructions included with the kit.
2. Attach cable management devices (as shown).
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Cable controller for switchless ONTAP

See your network administrator for help connecting to your switch.

1. Cable the cluster interconnect e0a to e0a and e0b to e0b ports on both controllers.
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3. To data network switches
4. To management network switches

Multi-path HA cabling an AFF A300 WITH two external double-shelf stacks (DS212C or DS224C disk shelves)

1. Connect the shelf-to-shelf ports
2. Connect the controllers to the first stack of disk shelves
3. Connect the controllers to the second stack of disk shelves

DO NOT power on system at this point.
Prepare for installation | Stage 1

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For connecting your storage to your network switch and Microsoft® Windows® client
- Windows client
  - Runs the software to configure your storage system
- Additional network cables
  - For connecting your storage to your network switch and Microsoft® Windows® client

Rack space
- 3U per chassis

Controller-to-controller cables
- Cluster interconnect cable
  - Part number: 112-00297 or 112-00299
- Ethernet cables
  - Part number: 112-00300 or 112-00301
- Optical network cable
  - Part number: 112-00188 or 112-00190

Data cables
- 10 GbE network cable
  - Part number: 112-00299 or 112-00300 or 112-00301

Storage cables
- SAS cables
  - Part number: 112-00436 or 112-00437 or 112-00438
- Ethernet cables
  - Part number: 112-00297 or 112-00299
- Controller-to-controller cables
  - Part number: 112-00297 or 112-00299

Power cables
- Part number: 112-00436 or 112-00437 or 112-00438

You provide
- Rack space
  - 3U per chassis
- Screwdriver
- Additional network cables
  - For connecting your storage to your network switch and Microsoft® Windows® client
- Windows client
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Complete system setup and configuration | Stage 4

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